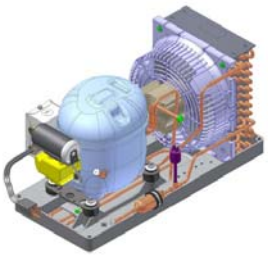
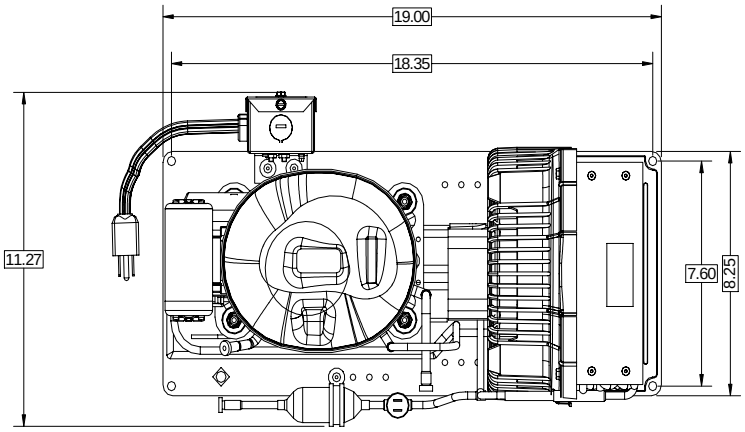
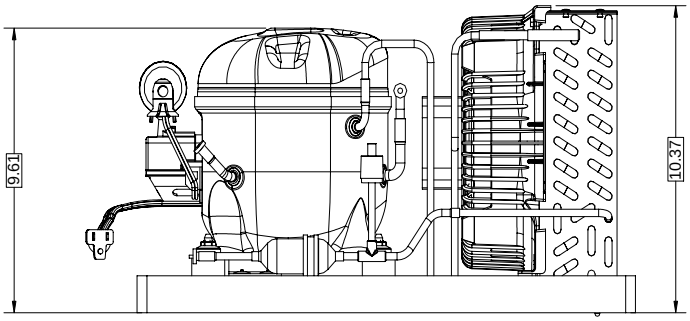
TECUMSEH HERMETIC CONDENSING UNIT

Model	**AE4440U-AA1AGK**
BOM	**33Y365-3**
Air Cooled	**1/3 HP**
Application	**High/Commercial Temp**
Refrigerant	**R290**
Volts-Hz-Ph	**150-60-1**







AE4440U-AA1AGK	Dim. Enclosure (inch)			Line connections		Pumpdown	Air flow	Oil Ch.	Gross weight
	L	W	H	Suction	Liquid	90% @ 90°F	SCFM	Oz.	Lbs. (kg)
	19.00	11.27	10.37	5/16"	1/4"	---	170	9.64	39.8 (18.05)

Factory charge 20 psig dry air, **MUST BE EVACUATED**
Maximum Refrigerant Charge: 150 gr

Evaporator		Ambient Temperatures															
		80°F				90°F				100°F				110°F			
T, °F	PSIG	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T
5	27.8	2100	340	185	104	1950	350	208	113	1790	360	232	121	1650	370	258	130
10	32.0	2340	360	192	107	2170	370	215	115	2010	380	240	124	1850	400	265	132
15	36.5	2580	380	199	110	2400	390	222	118	2220	410	247	126	2060	420	273	134
20	41.3	2830	400	207	113	2640	410	230	121	2440	430	255	129	2260	440	281	137
25	46.5	3080	420	215	115	2870	430	239	124	2670	450	263	131	2480	470	289	139
30	52.0	3340	440	224	119	3110	450	248	126	2900	470	272	134	2690	490	298	142
35	57.9	3600	460	233	122	3360	480	257	129	3120	500	282	137	2900	520	307	144
40	64.2	3850	480	243	125	3590	500	267	132	3340	520	291	140	3110	540	317	147

Performance @ 60 Hz, Return 65°F, SubCooling 5°F

PRELIMINARY

Parts/Specifications

Unit BOM	**33Y365-39**	Fan Motor	810-141EA
Unit MODEL	**AE4440U-AA1AGK**	Fan Motor RLA	0.32
		Fan Blade	515-021P
Refrigerant	R290	Replacement Fan Motor	
Refrigeration RANGE	20°F to 55°F	F. M., blade, guard assy	
Design Pressure Low	130	F. M., blade, guard, shroud assy	
Design Pressure High	450		
Volts - HZ - Ph	115V ~ 60HZ	Condenser	50734-G04
Voltage Range	103 - 127	Shroud	
Min. Circuit Ampacity	7.1	Fan Guard	116-003P
Max. Fuse Size	15		
		Power Cord	85106-10
Compressor MODEL	AE4440U-AA1A	Hi Pressure Switch	841-10000
Compressor BOM	AE-1146-E	Liquid Filter/Drier	704-20004
Compressor LRA	30.5		
Compressor RLA	5.40		
OverLoad	830-10071		
Replacement Kit - O/L			
Relay	820-10085		
Replacement Kit - Relay			
Run Capacitor			
Run Capacitor Rating			
Start Capacitor	85PS165E23		
Start Capacitor Rating	243-292 MFD 165V		
Unit drawing DGU	DGBU-062B		
Electrical Diagram	91274